

INTERNATIONAL SEARCH REPORT

ational Application No

/IB2004/051017

A. CLASSIFICATION OF SUBJECT MATTER

H01J61/34 H01J61/36 H01J61/82 H01J61/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 101 14 289 A1 (ADVANCED LIGHTING TECHNOLOGIES, INC) 27 September 2001 (2001-09-27) the whole document	1-14
X	US 6 326 721 B1 (SHIPPEE DANIEL P ET AL) 4 December 2001 (2001-12-04) the whole document	1-14
X	GB 661 676 A (NILS GUSTAV LENNART KRONSTROEM; LUMALAMPAN AKTIEBOLAG) 28 November 1951 (1951-11-28) the whole document	1-14
A	US 5 272 407 A (TILLMAN ET AL) 21 December 1993 (1993-12-21) figure 3	1-14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

8 February 2006

Date of mailing of the international search report

06/03/2006

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 07, 31 March 1999 (1999-03-31) & JP 08 077973 A (SAMSUNG DISPLAY DEVICES CO LTD), 22 March 1996 (1996-03-22) abstract -----	1-14
A	US 4 918 352 A (HESS ET AL) 17 April 1990 (1990-04-17) column 1; figure 1 -----	1-14
A	US 6 054 810 A (YAMAMOTO ET AL) 25 April 2000 (2000-04-25) figure 1 -----	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/IB2004/051017

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 10114289	A1	27-09-2001	GB 2362257 A	14-11-2001
			US 2004061441 A1	01-04-2004
US 6326721	B1	04-12-2001	CN 1293821 A	02-05-2001
			WO 0048230 A1	17-08-2000
			EP 1070337 A1	24-01-2001
			JP 2002536812 T	29-10-2002
GB 661676	A	28-11-1951	NONE	
US 5272407	A	21-12-1993	NONE	
JP 08077973	A	22-03-1996	NONE	
US 4918352	A	17-04-1990	NONE	
US 6054810	A	25-04-2000	CN 1198585 A	11-11-1998
			DE 19801485 A1	22-10-1998
			JP 3208087 B2	10-09-2001
			JP 10294085 A	04-11-1998
			NL 1007951 C2	15-12-1998
			NL 1007951 A1	20-10-1998